



MAP EXPLANATION

- Faults mapped by Poland and others (1956), dashed where approximately located, dotted where concealed, queries indicate probable (inferred) faults.
- Faults mapped by CDWR (1968), dashed where approximately located, dotted where concealed; short dash where inferred.
- Faults mapped by Keaton (1975), dashed where approximately located.
- Faults mapped by Miller & others (1975), dotted where concealed, queried where inferred.
- Locality referred to in text.
- Location and orientation of trench excavation. Evidence of possible Holocene activity exposed in trench indicated in red. Location of trench less than 100 feet long indicated by X.
- Subsurface fault interpreted from oil well data. These faults, which presumably offset all lithologic units, are shown at depth of contoured horizon indicated near fault trace.

Key to faulted & unfaulted deposits

- - deposit offset H - Holocene; L - Late Pleistocene
- - deposit not offset Q - Quaternary; B - Bedrock

Figure 2a (to FER-172). Special Studies Zones Maps of the Los Alamitos and Seal Beach 7.5-minute quadrangles showing the Newport-Inglewood fault zone. Additional fault traces are mapped by others. Annotations are by Bryant (this report), based on air photo interpretation and limited field checking.

MAP EXPLANATION

Potentially Active Faults

Faults considered to have been active during Quaternary time; solid line where accurately located, long dash where approximately located, short dash where inferred, dotted where concealed; query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by creep or possible creep.

Aerial photo lineaments (not field checked); based on youthful geomorphic and other features believed to be the results of Quaternary faulting.

Special Studies Zone Boundaries

These are delineated as straight-line segments that connect encircled turning points so as to define special studies zone segments.

Seaward projection of zone boundary.

STATE OF CALIFORNIA SPECIAL STUDIES ZONES

Delineated in compliance with
Chapter 7.5, Division 2 of the California Public Resources Code

SEAL BEACH QUADRANGLE

OFFICIAL MAP

Effective: January 1, 1976

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REFERENCES USED TO COMPILE FAULT DATA

Seal Beach Quadrangle

California Department of Water Resources, 1968, Seawater Intrusion: Bolsa-Sunset area, Orange County. California Department of Water Resources Bulletin 63-2, 167 p.

IMPORTANT - PLEASE NOTE

- This map may not show all potentially active faults, either within the special studies zones or outside their boundaries.
- Faults shown are the basis for establishing the boundaries of the special studies zones.
- The identification of these potentially active faults and the location of such fault traces are based on the best available data. Traces have been drawn as accurately as possible at this map scale, however, the quality of data used is highly varied. The faults shown have not been field checked during this map compilation.
- Fault information on this map is not sufficient to serve as a substitute for information developed by the special studies that may be required under Chapter 7.5, Division 2, Section 2623 of the California Public Resources Code.